

Utah Weekly Pertussis Update

2020 data, through MMWR week ending January 4 (MMWR week 1)

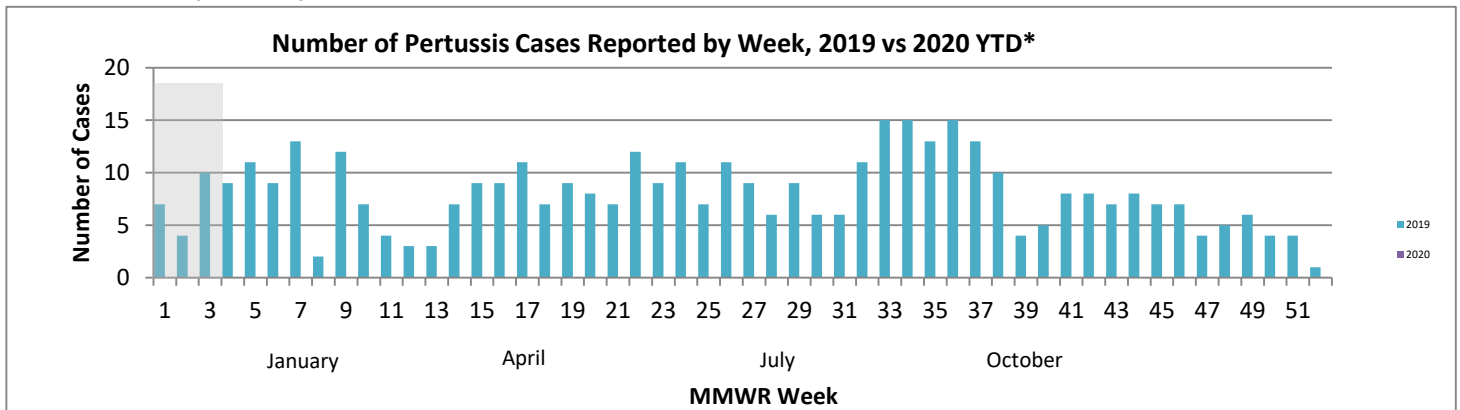
Data presented in this report are based on current data available and will be subject to change weekly.

Data Summary

Total number of cases reported, 2020 year-to-date (YTD)	0	Utah Incidence rate, 2020 year-to-date (YTD) per 100,000 person-years	0.0
Total number of cases reported 2019	417	Utah Incidence rate, 2019 per 100,000 person-years	13.4
Number of cases reported in past week	0	National Incidence rate*, 2018 per 100,000 person-years	4.8
Total number of cases reported, through same time period 2019	7	2020 Hospitalizations	0
Age groups with the highest rates	-	2020 Cases in infants <1 year	0

*National Incidence Rate is updated as released by the Centers for Disease Control and Prevention.

Number of cases reported by week



*Additional cases may have occurred, especially in the most recent 3 weeks that have not yet been reported, as indicated by the grayed out section of the graph above.

2020 Year-to-Date Incidence Rates, By Age

Age (years)	2020 Cases	2018 population	Rate*
<1	0	50,160	0.0
1-4	0	202,844	0.0
5-14	0	525,877	0.0
15-24	0	509,891	0.0
25-34	0	464,908	0.0
35-44	0	434,614	0.0
45-54	0	322,173	0.0
55-64	0	300,160	0.0
65+	0	350,478	0.0
Unknown	0	-	-
Total	0	3,161,105	0.0

* Rate is calculated per 100,000 person years.

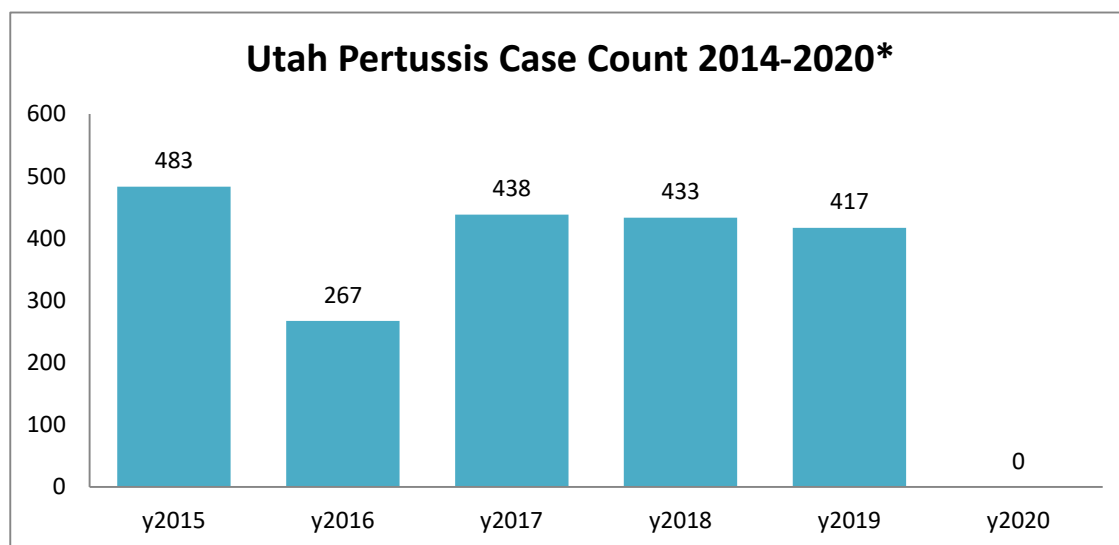
Infants less than 1 year of age have historically had the highest incidence rates of pertussis due to their susceptibility.

School Age Incidence Rates, 2020 Year-to-Date

Grade	Age (years)	2020 Cases	2018 Population	Rate*
Preschool	3-4	0	151,676	0.0
Kindergarten	5	0	51,880	0.0
1	6	0	50,305	0.0
2	7	0	51,662	0.0
3	8	0	52,672	0.0
4	9	0	52,559	0.0
5	10	0	53,970	0.0
6	11	0	54,129	0.0
7	12	0	53,185	0.0
8	13	0	52,831	0.0
9	14	0	52,684	0.0
10	15	0	52,057	0.0
11	16	0	50,856	0.0
12	17	0	50,668	0.0

* Rate is calculated per 100,000 person-years. School age incidence rates were calculated using the average age of a student in each grade. High incidence rates in 5th and 6th grade may be due to waning immunity.

Utah Case Counts of Pertussis, 2015-2020* Year to Date



Pertussis tends to be cyclical. Reports have increased in Utah since 2010, peaked in 2012, and are currently trending downward.

* 2020 data includes pertussis cases reported year to date. 2015-2019 data reflects cases reported during the entire calendar year for each year.

Incidence of Pertussis by Local Health Department, 2020 YTD

Local Health Department	2020 Cases	Rate*
Bear River	0	0.0
Central Utah	0	0.0
Davis County	0	0.0
Salt Lake County	0	0.0
San Juan County	0	0.0
Southeast Utah	0	0.0
Southwest Utah	0	0.0
Summit County	0	0.0
Tooele County	0	0.0
TriCounty	0	0.0
Utah County	0	0.0
Wasatch County	0	0.0
Weber-Morgan	0	0.0

